

Comparisons of Job Characteristics

Focus Occupation: [Electricians \(47-2111\)](#)

Associated Occupation: [Electric Motor, Power Tool, and Related Repairers \(49-2092\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|--|
| Mechanical | 6.8 | 17.7 | 16.5 | 0 Current knowledge level may be sufficient |
| Engineering and Technology | 5.7 | 9.2 | 11.8 | > Current knowledge level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Repairing | 3.4 | 14.0 | 11.6 | < A higher skill level may be required |
| Troubleshooting | 4.5 | 12.6 | 12.3 | 0 Current skill level may be sufficient |
| Quality Control Analysis | 5.9 | 11.9 | 11.0 | 0 Current skill level may be sufficient |
| Equipment Maintenance | 3.5 | 11.5 | 10.3 | < A higher skill level may be required |
| Equipment Selection | 3.3 | 10.4 | 8.4 | < A higher skill level may be required |
| Installation | 1.7 | 7.4 | 9.4 | > Skill level is likely sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Electricians (47-2111)**Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|---|---|
| Finger Dexterity | 7.6 | 13.9 | 11.8 | < | Some improvement in abilities may be required |
| Manual Dexterity | 6.5 | 12.5 | 11.6 | 0 | Current ability level may be sufficient |
| Visual Color Discrimination | 6.4 | 11.0 | 12.8 | > | Current ability level is likely sufficient |
| Auditory Attention | 5.9 | 9.8 | 7.9 | < | Some improvement in abilities may be required |
| Hearing Sensitivity | 5.6 | 9.8 | 7.9 | < | Some improvement in abilities may be required |
| Depth Perception | 5.3 | 9.7 | 9.1 | 0 | Current ability level may be sufficient |
| Wrist-Finger Speed | 3.2 | 6.2 | 5.9 | 0 | Current ability level may be sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Electricians (47-2111)**Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**

| Work Activities | Exclusivity of Activity |
|--|-------------------------|
| Distinguish colors | 44 |
| Fabricate, assemble, or disassemble manufactured products by hand | 11 |
| Install or replace meters, regulators, or related measuring or control devices | 66 |
| Install/connect electrical equipment to power circuit | 57 |
| Move or fit heavy objects | 8 |
| Perform safety inspections in industrial, manufacturing or repair setting | 32 |
| Read blueprints | 10 |
| Read technical drawings | 7 |
| Repair or replace electrical wiring, circuits, fixtures, or equipment | 49 |
| Solder electrical or electronic connections or components | 55 |
| Test electrical/electronic wiring, equipment, systems or fixtures | 54 |
| Understand service or repair manuals | 40 |
| Use electrical or electronic test devices or equipment | 40 |
| Use hand or power tools | 2 |
| Use high voltage apparatus | 76 |
| Use soldering equipment | 44 |
| Use voltmeter, ammeter, or ohmmeter | 52 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

| Tools and Technologies | Exclusivity |
|---|-------------|
| Tools and technology data is unavailable for one or both occupations. | |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.